

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 139 (CHARLES ST.) AND MD 134 (BELLONA AVE.) IN BALTIMORE COUNTY. MD 139 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION IS OPERATING IN A NEMA SIX-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH THE MD 139 APPROACHES OPERATING CONCURRENTLY AND THE MD 134 APPROACHES OPERATING CONCURRENTLY.

EXCLUSIVE/PERMISSIVE LEFT-TURN PHASING IS PROVIDED FOR THE SOUTHBOUND MD 139 APPROACH.

EXCLUSIVE LEFT-TURN PHASING WILL BE PROVIDED FOR THE NORTHBOUND MD 139 APPROACH.

AN ALTERNATE PEDESTRIAN PHASE IS PROVIDED ACROSS THE NORTH AND SOUTH LEGS OF MD 139.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER SHALL BE USED.

MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT.

STANDARD NO. MD-104.00 - 104.00-30

STANDARD NO. MD-104.45-01 (RIGHT LANE CLOSURE)

STANDARD NO. MD-104.37-01 (LEFT LANE CLOSURE)

STANDARD NO. MD-104.46-01 (CENTER LANE CLOSURE)

STANDARD NO. MD-104.38-01 (RIGHT LANE CLOSURE)

STANDARD NO. MD-104.48-01 (INTERSECTION TURN BAY LANE CLOSURE)

STANDARD NO. MD-104.41-01 (INTERSECTION FAR-RIGHT LANE CLOSURE)

STANDARD NO. MD-104.49-01 (SHOULDER WORK)

STANDARD NO. MD-104.43-01 (SHOULDER WORK)

STANDARD NO. MD-104.44-01 (LEFT LANE CLOSURE)

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MR. RANDALL SCOTT
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 321-2781/2785

MRS. SUENETTE POPE
DISTRICT UTILITY ENGINEER
PHONE: (410) 321-2841

MR. STEVE MARCISZEWSKI
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 321-2761

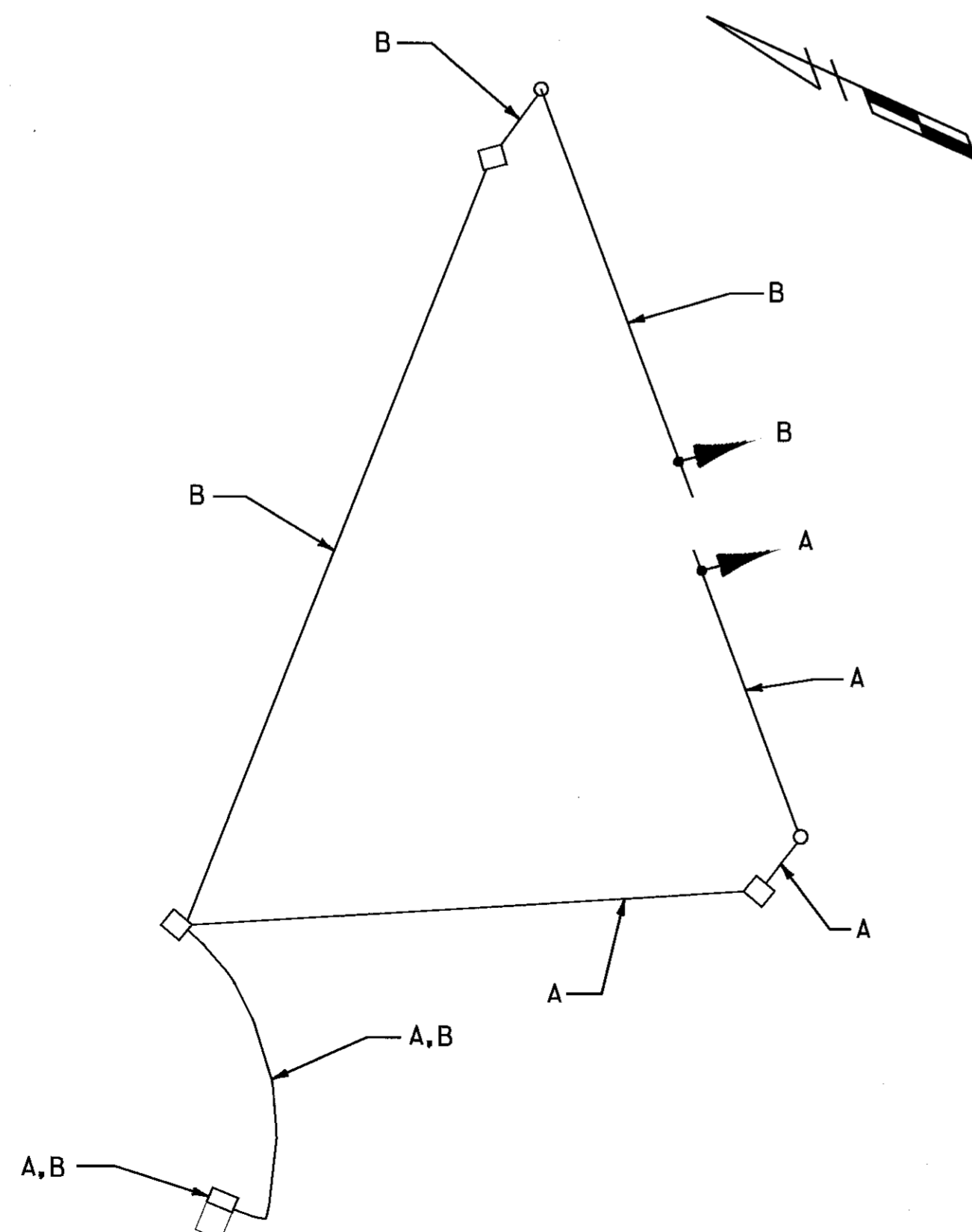
MR. RICHARD L. DAFF, SR.
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

WIRING DIAGRAM

WIRING KEY

A } 5-CONDUCTOR ELECTRICAL
CABLE (NO. 14 A.W.G.)

B } USE EXISTING SIGNAL
CABLE



EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED AND INSTALLED BY THE SHA

ITEM NUMBER	QUANTITY	UNIT	DESCRIPTION
9000	6	EA	Furnish and Install 12 Inch Vehicular Traffic Signal Head Section
9000	1	EA	Remove and Dispose of Material and Equipment per Assignment
9000	250	LF	Furnish and Install Electrical Cable - 5 Conductor (No. 14 A.W.G.)
9571	3	SF	Sheet Aluminum Mast Arm / Pole Mounted Sign
			R10-5 Sign (24" x 18")

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR
N/A

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA
N/A

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
PHASE 1 + 5	←G	←G	R	R	←R	R	R	←R	R	←R	DW	DW	DW	DW	DW	DW	DW	DW
1 + 5 CHANGE	PHASE 1 + 5 MAY CHANGE TO PHASE 1 + 6, PHASE 2 + 5 OR PHASE 2 + 6																	
PHASE 1 + 6	←G	←G	G	G	R	R	R	←R	R	R	DW	WK	WK	DW	DW	DW	DW	DW
1 + 6 CHANGE	←Y	←Y	G	G	R	R	R	←R	R	R	DW	WK	WK	DW	DW	DW	DW	DW
PHASE 2 + 5	←R	←R	R	R	←G	G	R	R	R	←R	WK	DW	DW	WK	DW	DW	DW	DW
2 + 5 CHANGE	←R	←R	R	R	←Y	G	R	R	R	←R	WK	DW	DW	WK	DW	DW	DW	DW
PHASE 2 + 6	←R	←R	G	G	G	G	R	R	R	R	WK	WK	WK	WK	DW	DW	DW	DW
PED CLEARANCE	←R	←R	G	G	G	G	R	R	R	R	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW	DW	DW
2 + 6 CHANGE	←R	←R	Y	Y	Y	Y	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4 + 8	←R	←R	R	R	R	R	G	G	G	G	DW	DW	DW	DW	DW	DW	DW	DW
4 + 8 CHANGE	←R	←R	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4 + 8 ALT	←R	←R	R	R	R	R	G	G	G	G	DW	DW	DW	DW	WK	WK	WK	WK
PED CLEARANCE	←R	←R	R	R	R	R	G	G	G	G	DW	DW	DW	DW	FL/DW	FL/DW	FL/DW	FL/DW
4 + 8 ALT CHANGE	←R	←R	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	FL/←R	FL/←R	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK

WR&A

Whitman, Requardt
and Associates, LLP
801 South Caroline Street
Baltimore, Maryland 21231
(410) 235-3450



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION SHEET
MD 139 (Charles St.) AND MD 134 (Bellona Ave.)

DRAWN BY: B. MARTINE
CHECKED BY: N. LEARY
SCALE: NONE
DATE: 10/29/2002

F.A.P. NO.
S.H.A. NO.
COUNTY: BALTIMORE
LOG MILE: 03013903.25

TS. NO.
TS-1824A
T.I.M.S. NO.
F379